

Power Cost Memorandum Fuel Cost Update

Date: **February 17, 2022**

Utility Name (Cert. No.) Arctic Village Electric (747)	Utility File No. PC65-0121B	Date Filed: January 18, 2022
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PCE AMOUNT SUMMARY	Previously Approved PC65-0121A	Staff Recommended Amount(s) and Effective Date PC65-0121B
Class Rate	<u>Date Approved:</u> December 3, 2021	February 18, 2022
Residential	\$0.6478	\$0.6846
Community Facilities	\$0.6478	\$0.6846
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: \$ 5.9032	New Fuel Purchase Price: \$ 6.3319
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: <u>n/a</u>	Surcharge Change: Previous <u>n/a</u> Updated <u>n/a</u>

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-Hand before Deliv,	500	X	5.9032	=	\$2,952
Delivered	13,482	X	6.3478	=	85,582
	<u>13,982</u>				<u>\$88,533</u>
					Weighted Average \$ 6.3319

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 2/17/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		RMP		
Kurber		KKI		
Scott		AGS		
Sullivan		DS		
Wilson		JWW		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Arctic Village Electric

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING September 30, 2020
Fuel Cost Update

		PC65-0121A	PC65-0121B	
		Prior Commission Approval	Utility Request	Staff Recommended
A.	Total kWh Generated	638,335	638,335	638,335
B.	Total kWh Sold (Appendix 2)	534,678	534,678	534,678
C.	Total Non-Fuel Costs (Appendix 2)	186,081	186,081	186,081
D.	Non-Fuel Cost/kWh (C / B)	\$0.3480	\$0.3480	\$0.3480
E.	Total Fuel Costs (Appendix 2)	285,644	306,386	306,386
F.	Fuel Costs/kWh (E / B)	\$0.5342	\$0.5730	\$0.5730
G.	Eligible Costs/kWh (D + F)	\$0.8822	\$0.9210	\$0.9210
H.	Eligible Cost/kWh (G) less base rate in effect	\$0.6819	\$0.7207	\$0.7207
I.	Lesser of (H) or 79.97 cents/kWh	\$0.6819	\$0.7207	\$0.7207
J.	Average Class Rates (Appendix 3)			
	Residential	\$0.7997	\$0.7997	\$0.7997
	Community Facilities	\$0.7997	\$0.7997	\$0.7997
Class Power Cost Equalization Per kwh Payable				
K.	Lesser of: (I) x 95% or (J)			
	Residential	\$0.6478	\$0.6846	\$0.6846
	Community Facilities	\$0.6478	\$0.6846	\$0.6846
L.	Funding Level in Effect	100%	100%	100%
	Residential	\$0.6478	\$0.6846	\$0.6846
	Community Facilities	\$0.6478	\$0.6846	\$0.6846

PC65-0121B
Appendix 1

Arctic Village Electric

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING September 30, 2020
Fuel Cost Update

			PC65-0121A	PC65-0121B	
			Prior Commission Approval	Per Utility	Staff Recommended
Non-Fuel Costs:					
A.	Personnel Costs		102,342	102,342	102,342
B.	Operating Expenses		6,895	6,895	6,895
C.	General & Administrative		56,939	56,939	56,939
D.	Depreciation & Amortization		9,751	9,751	9,751
E.	Interest Expense		10,154	10,154	10,154
F.	Other (Describe)		0	0	0
G.	Total Non-Fuel Costs		\$186,081	\$186,081	\$186,081
Fuel Costs:					
H.	Gallons Consumed for Electric Generation		48,388	48,388	48,388
I.	Price of Fuel:(per gallon) Weighted Average		\$5.9032	\$6.3319	\$6.3319
J.	Total Fuel Costs (I x H)		\$285,644	\$306,386	\$306,386
K.	kWh Generated		638,335	638,335	638,335
L.	kWh Sales		534,678	534,678	534,678
M.	kWh Station Service		27,025	27,025	27,025
N.	Efficiency	≥	<u>Standard</u>		
	(kWh generated /gallons consumed)		13.19	13.19	13.19
O.	Line Loss	≤	12.00%	12.00%	12.00%
(kWh Generated -(kWh Sold + Station Service))/ kWh Generated					

PC65-0121B
Appendix 2

Arctic Village Electric

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500	1.0000	0.0000	1.0000	500.00	1.0000	0.7997
500				500.00	1.0000	0.7997
TOTAL (A)						(E)

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500		0.0000	0.0000	0.00	0.0000	
500				0.00	0.0000	
TOTAL (A)						(E)

Computation of Community Facilities Average Rate

Rate Schedule: Community Facilities

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
0 to ∞	1.0000	0.0000	1.0000	0.7997
Next to				
Next to				
Next to				
Next to				

Arctic Village Electric

Fuel Purchases


	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up	Total Cost
Beginning Fuel Inventory		500			
Last Approved Fuel Cost/Gal.			\$ 5.9032		
Beginning Fuel Inventory in Gallons X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --					\$ 2,952
Reporting Period Purchases	01/12/22	4,600.2	6.9196		31,832
	12/22/21	4,441.0	6.0266		26,764
	11/11/21	4,441.0	6.0766		26,986
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		13,482			85,582
Delivered Weighted Average		\$6.3478			
Grand Totals (beginning inventory plus purchases) A		13,982		B \$	88,533

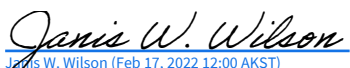
Grand Total Cost (B) divided by Grand Total Gallons (A) = 6.3319 Weighted Avg. Cost per gal

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